

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/014485

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D3/26 B01D3/20 B01J8/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/146525 A1 (JACOBS GARRY E ET AL) 7 August 2003 (2003-08-07) page 3, paragraph 32 - paragraph 34 figures 2-5	1-5
X	US 5 158 714 A (SHIH ET AL) 27 October 1992 (1992-10-27) column 4, line 50 - column 6, line 47 figures 2-4	1,5
X	US 2 686 046 A (GREEN PAUL R ET AL) 10 August 1954 (1954-08-10) the whole document	1,2
A	US 4 140 625 A (JENSEN ET AL) 20 February 1979 (1979-02-20) column 11, line 57 - column 12, line 18 figures 5-15	1-4

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

14 April 2005

Date of mailing of the international search report

21/04/2005

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Information on patent family members

International Application No

PCT/EP2004/014485

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003146525 A1	07-08-2003	NONE	
US 5158714 A	27-10-1992	AT 156721 T AU 2183292 A CZ 9302516 A3 DE 69221639 D1 DE 69221639 T2 EP 0641237 A1 ES 2107541 T3 FI 935173 A JP 6508063 T JP 3255918 B2 OA 9825 A SK 131493 A3 WO 9221418 A1	15-08-1997 08-01-1993 13-04-1994 18-09-1997 12-02-1998 08-03-1995 01-12-1997 30-11-1993 14-09-1994 12-02-2002 15-04-1994 06-07-1994 10-12-1992
US 2686046 A	10-08-1954	NONE	
US 4140625 A	20-02-1979	NONE	